

Patent Abstracts of Japan

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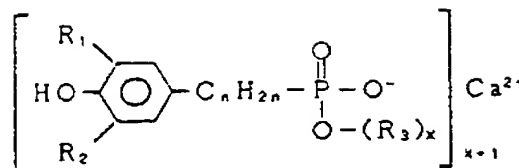
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TITLE : PLASTIC MAGNET COMPOSITION



ABSTRACT : PURPOSE: To obtain the title composition, having excellent resistance to deterioration by heat and oxidation and suitable as small sized generators, etc., by blending a composition consisting of a polyolefin and magnetic substance powder with a specific phosphonate based compound and heavy metal inactivator in specific amounts.

CONSTITUTION: A composition obtained by blending (A) 100 pts.wt. composition consisting of (A<sub>1</sub>) 5~20wt.% polyolefin (e.g., crystalline propylene polymer) and (A<sub>2</sub>) 80~95wt.% magnetic substance powder (e.g., ferrite) having the surface treated with a coupling agent with (B) 0.01~5 pts.wt. phosphonate based compound expressed by the formula (R<sub>1</sub> is H or 1~8C alkyl; R<sub>2</sub> is 1~8C alkyl; R<sub>3</sub> is 1~30C alkyl; X is 0 or 1; n is 1~4) [e.g., calcium bis(O-ethyl-(3,5-di-tert-butyl-4-hydroxybenzyl)phosphonate)] and (C) 0.01~5 pts.wt. heavy metal inactivator (e.g., 2,4,6-triamino-1,3,5-triazine). Furthermore, (D) a phenolic antioxidant is preferably blended.

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